

WHAT IS CLAIMED IS:

1. A liquid crystal device, comprising:

a pair of substrates respectively having electrodes on opposing surfaces, the pair of substrates sandwiching a liquid crystal layer,

a plurality of domains being formed within a display region when a voltage is applied to the electrodes, the plurality of domains being such that liquid crystal molecules are aligned in different directions from domain to domain,

at least one of the electrodes on the pair of substrates having an aperture section,

the liquid crystal layer having a protrusion section which connects the electrodes.

2. The liquid crystal display device as set forth in claim 1, wherein:

at least one of the electrodes has a protrusion as the protrusion section within the display region; and

a height of the protrusion is identical to a thickness of the liquid crystal layer.

3. The liquid crystal display device as set forth in claim 2, wherein:

the protrusion is provided to only one of the

electrodes on the pair of substrates.

4. The liquid crystal display device as set forth in claim 2, wherein:

the protrusion is provided to the electrode which opposes the electrode having the aperture section.

5. The liquid crystal display device as set forth in claim 1, wherein:

there are domain boundaries at the protrusion section and at the aperture section, the domain boundaries being boundaries between the domains in which the liquid crystal molecules are aligned in different directions from domain to domain.

6. The liquid crystal display device as set forth in claim 1, wherein:

the protrusion section is provided outside a region where, in a two-dimensional view, the aperture section is provided.

7. The liquid crystal display device as set forth in claim 1, wherein:

the protrusion section is made of dielectric material.

8. The liquid crystal display device as set forth in claim 1, wherein:

the protrusion section is made of light-shielding material.

9. The liquid crystal display device as set forth in claim 1, wherein:

the liquid crystal layer has negative dielectric anisotropy; and

the liquid crystal molecules are initially aligned vertically with respect to the electrodes.

10. The liquid crystal display device as set forth in claim 1, wherein:

a surface of the protrusion section is subjected to an alignment process which is different from an alignment process of regions other than the surface of the protrusion section.

11. The liquid crystal display device as set forth in claim 1, wherein:

a surface of the protrusion section is subjected to a horizontal alignment process so that the liquid crystal molecules are initially aligned in parallel with the surface of the protrusion section.

12. The liquid crystal display device as set forth in claim 1, wherein:

an alignment film is provided to the display region of the pair of substrates, whereas no alignment film is provided to a surface of the protrusion section.

13. The liquid crystal display device as set forth in claim 1, wherein:

the protrusion section is tilted with respect to a thickness direction of the pair of substrates.

14. The liquid crystal display device as set forth in claim 1, wherein:

the aperture section is bent in such a manner that sides of the aperture section extend in directions which respectively form 45° with a long side and a short side of the display region of the pair of substrates.

15. The liquid crystal display device as set forth in claim 1, wherein:

the protrusion section is provided in parallel with the aperture section.